



NU SKIN® **FACIAL SPA**
Cosmetic Facial Toner
Owner's Manual

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Definition of Symbols

The following symbols may appear on the Facial Spa device, Conductive Gel, or in accompanying documents.

Symbol	Definition	Symbol	Definition
	Warning		Ingress Protection rating
	Precaution		Direct Current
	Transportation Temperature Limits		Interference may occur in the vicinity of equipment marked with this symbol for non-ionizing radiation.
	Consult Owner's Manual		Manufacturer
	Type BF Applied Parts		Catalog Number
	Keep Dry		Batch Code
	Dispose of Batteries Properly for Your Area		Expiration Date

Section 1: Introduction

Device Description: The Facial Spa is a cosmetic facial toning device intended for facial stimulation. It produces a microcurrent that is discharged through the conductors when the device is activated and in contact with skin prepared with Nu Skin® Conductive Gel. The device should be used only over normal, clean, healthy, intact skin.

Indications for Use: Nu Skin's Facial Spa is intended for facial stimulation and is indicated for over-the-counter cosmetic use. The anatomical site for application of the Facial Spa is the face.

Section 2: Contraindications, Warnings, Precautions, and Adverse Reactions



PLEASE READ THE FOLLOWING ADVISORIES BEFORE USING YOUR FACIAL SPA

CONTRAINDICATIONS

Do not use the Facial Spa if you:

- Have a metal implant or electronic implanted devices.
- Have suspected or diagnosed epilepsy or suffer from seizures.
- Have metal braces on your teeth.
- Are allergic to gels or metal or are sensitive to contact with chrome.
- Are pregnant or attempting to become pregnant.
- Have open sores or wounds.
- Are prone to rosacea.
- Have problematic or sensitive skin.

The Facial Spa and Nu Skin® Conductive Gel are contraindicated for use in the following areas (see Figure 2.1):

- Eyes, eyelids, and surrounding tissue (orbicularis oculi muscle);
- Lips (labium superius oris and labium inferius oris);
- Throat and chest; and
- Any areas that **cannot** sense touch.



FIGURE 2.1

WARNINGS

- ⊗ If you are in the care of a physician, consult with your physician before using this device.
- ⊗ Do not apply stimulation over your neck because this could cause severe muscle spasms resulting in closure of your airway, difficulty in breathing, or adverse effects on heart rhythm or blood pressure.
- ⊗ Do not apply stimulation across your chest because the introduction of electrical current into the chest may cause rhythm disturbances to your heart, which could be lethal.
- ⊗ Do not apply stimulation over painful areas. If you have painful areas, you should consult with your physician before using this device.
- ⊗ Do not apply stimulation over open wounds or rashes, or over swollen, red, infected, or inflamed areas or skin eruptions (e.g., phlebitis, thrombophlebitis, varicose veins).
- ⊗ Do not apply stimulation over, or in proximity to, cancerous lesions or diseased tissues.
- ⊗ Do not apply stimulation in the presence of electronic monitoring equipment (e.g., cardiac monitors, ECG alarms), which may not operate properly when the electrical stimulation device is in use.
- ⊗ Do not apply stimulation while sleeping.

WARNINGS (cont.)

- ⊗ Do not change, release, or attach conductors when the device is turned ON. You risk exposing yourself to the exposed electrical lead, which may result in electrical shock or burning of the skin.
- ⊗ Do not conduct more than three Facia Spa regimens per week.
- ⊗ Do not apply stimulation while driving, operating machinery, or during any activity in which electrical stimulation can put you at risk of injury.
- ⊗ Adult use only—do not use the device on children; it has not been evaluated for pediatric use.
- ⊗ Consult with your physician before using this device. The device may cause lethal rhythm disturbances to the heart in susceptible individuals.
- ⊗ Apply stimulation only to normal, intact, clean, healthy skin.
- ⊗ Do not operate while bathing or showering. To reduce the risk of shock, burn, fire, or injury, do not immerse your device in water. Do not place or store where it may fall or be pulled into a bathtub, shower, sink, or toilet.
- ⊗ Do not apply stimulation on skin without Nu Skin® Conductive Gel. Using the device without Conductive Gel may burn your skin. Only use with Nu Skin® Conductive Gel.

PRECAUTIONS

- ⊘ Use the Facial Spa only as directed.
- ⊘ Always inspect your Facial Spa and conductors before use. Ensure there are no rough or defective surfaces, sharp edges, blistering of the chrome, and/or abnormalities on any surface. If you notice any abnormalities, do not use the device and contact Nu Skin Support Services.
- ⊘ The long-term effects of electrical stimulation are unknown.
- ⊘ Since the effects of stimulation of the brain are unknown, stimulation should not be applied across your head, and electrodes should not be placed on opposite sides of your head.
- ⊘ The safety of electrical stimulation during pregnancy has not been established.
- ⊘ You may experience skin irritation or hypersensitivity due to the electrical stimulation or electrical conductive medium (Nu Skin® Conductive Gel).
- ⊘ If you have suspected or diagnosed heart disease, you should follow precautions recommended by your physician.
- ⊘ Use caution if you have a tendency to bleed internally, such as following an injury or fracture.
- ⊘ Consult with your physician prior to using the device after a recent surgical procedure because stimulation may disrupt the healing process.

PRECAUTIONS (cont.)

- ⊘ Use caution if stimulation is applied over the menstruating uterus.
- ⊘ Do not use over areas of skin that lack normal sensation as it could result in burns.
- ⊘ Keep this device out of the reach of children.
- ⊘ Use this device only with the conductors and accessories recommended by Nu Skin.
- ⊘ Always turn device off (display will appear blank) before removing/replacing conductor and do not use without either Large Conductor or Small Conductor locked into place; otherwise there is risk of shock.
- ⊘ Never operate the device if it has been damaged. Using a damaged device may put you at risk of shock, burn, fire, or injury, or may permanently damage the device.
- ⊘ Do not use excessive pressure during use. Only apply enough gentle pressure to maintain constant contact between the conductor and your skin.
- ⊘ Users may experience a mild oral sensation during use. Discontinue use if you experience any discomfort.
- ⊘ Discontinue use and call Nu Skin Support Services if you experience stinging, redness, or irritation.
- ⊘ Do not use for longer periods of time or more frequently than recommended.

ADVERSE REACTIONS

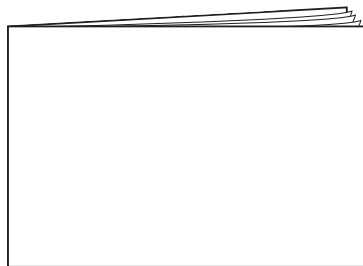
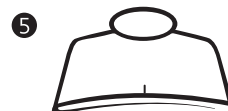
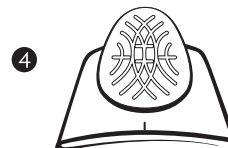
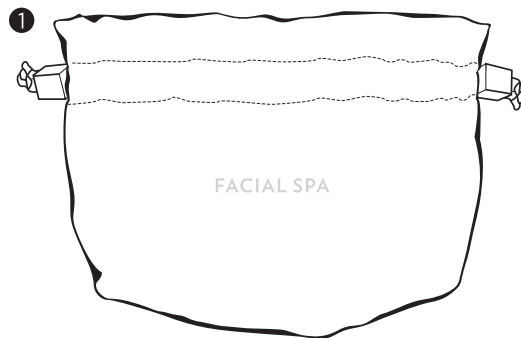
- You may experience skin irritation and burns beneath the stimulation electrodes applied to your skin.
- You may experience headache and other painful sensations during or following the application of electrical stimulation near your eyes and to your head and face. Discontinue use if this occurs.

Discontinue use and report any adverse reactions to Nu Skin Support Services. If you have any questions related to the safe use of this device, please call Nu Skin Support Services.

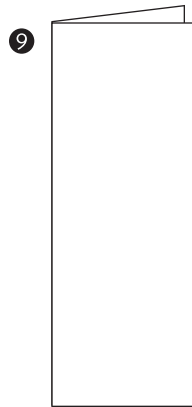
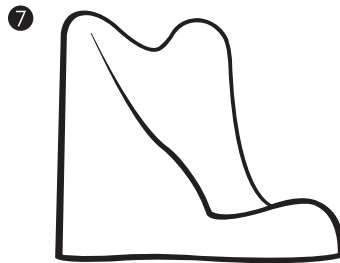
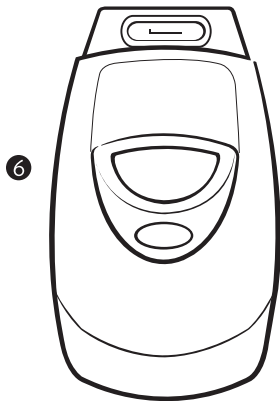
Nu Skin Support Services
1-800-487-1000

Section 3: Your Facial Spa Components

- 1 Carrying Pouch
- 2 Owner's Manual
- 3 Quick Reference Card
- 4 Large Conductor (attached)
- 5 Small Conductor

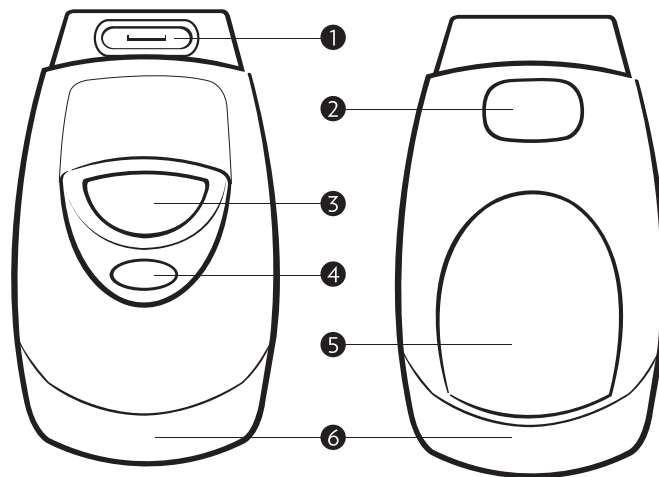
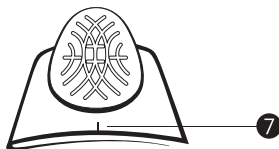


- 6 Facial Spa (with two AAA batteries installed)
- 7 Device Stand
- 8 Nu Skin Conductive Gel
(150 ml, 3.4 fl. oz. tube)
- 9 Nu Skin Conductive Gel Instructions for Use



Section 4: Features of Your Facial Spa and Conductors

- 1 Conductor Attachment Receptor
- 2 Conductor Release Button
- 3 Display Screen
- 4 Selection Button
- 5 Chrome Panel
- 6 Battery Compartment
(two AAA batteries already installed)
- 7 Conductor Positioning Indicator
(small etch)



Section 5: Key Information

- ⊗ Please read all the instructions before beginning. If you have any questions relating to the safe use of this device, please call Nu Skin Support Services.

The following general instructions will guide you through operating your device.

- ⊗ **Do NOT conduct more than three Facial Spa regimens per week. See Section 6 for more information on regimen selections.**

For each spa regimen, you must attach the appropriate conductor to your device. Select the appropriate conductor—SMALL or LARGE—at the beginning of each regimen and use for both spa sessions.

Inspect Your Device: Look at the Facial Spa and conductors to ensure that the chrome surfaces appear smooth.

- ⊗ If you notice any sharp edges, blistering of the chrome, and/or abnormalities on any surface, do not use and contact Nu Skin Support Services.

To Release a Conductor: Ensure that your device is turned off (display screen is blank). Hold the device with the chrome panel facing you (see Figure 5.1). Place your thumb on the release button and press firmly. With your free hand, grasp the conductor on the sides and gently pull the conductor off the device.

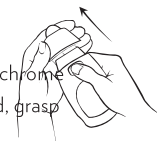


FIGURE 5.1

Section 5: Key Information (cont.)

Do not pinch or hold the middle of the conductor as this could permanently damage the device release mechanism.

⊗ **DO NOT** change, release, or attach conductors when the device is turned ON. You risk exposing yourself to the exposed electrical lead, which may result in electric shock or burning of the skin.



FIGURE 5.2

To Attach a Conductor: Ensure that your device is turned off (display screen is blank). Hold the device with the display side up, and the conductor with the positioning indicator (small etch) facing you (see Figure 5.2). Press firmly to snap the conductor into place. If the conductor fails to attach, make certain the conductor is positioned correctly. Do not force the conductor—this could damage both the device and the conductor. The device will not work unless the conductor is attached correctly.



FIGURE 5.3

Nu Skin® Conductive Gel: The gel must be used with your spa device to ensure adequate conductivity. Apply a generous amount of gel to the conductor and to the face treatment area (see Section 6).

Backlight: The backlight will remain lit while the device is on—both when choosing the spa session selection number and during the spa session (see Figure 5.3). If you lose contact with your skin during the spa session, the backlight will blink on and off and the spa session timer will pause until you resume contact. If the backlight is blinking on and off, it is either because the device has lost contact with your skin or there is not enough moisture for optimal conductivity. To continue your spa session, ensure there is adequate moisture by applying more Nu Skin Conductive Gel at all contact points and resume contact with your skin.

Choose the Spa Session Selection Number: Press the selection button once to turn on the device. The selection number appears in the middle of the display and the spa session time appears below the selection number. The selection button acts as a scroll button; each time you press the button the device will proceed to the next selection number. In order to select or “lock in” a selection number, simply press the conductor against your face. The device will beep indicating that your spa session is beginning.

See Section 6 for more information on the different regimen options.

During a Spa Session: The device display will be lit and the device will beep every 10 seconds to indicate that the unit is on and working. The audible beeps are the ONLY indicator that the device is working. Once the spa session time reaches 30 seconds remaining, the spa will beep every five seconds until the spa session is complete, at which point the “spa session complete” alert will sound.

Spa Session Interruption: You must keep the conductor in contact with facial skin and ensure adequate moisture at all contact points, using Nu Skin® Conductive Gel only. Losing contact with the skin will interrupt the spa session. In this case, the backlight will flash on and off and the device will stop beeping until contact is either reestablished or until the device automatically shuts off after two minutes of non-use.

If an interruption lasts more than two minutes and the device turns off, simply restart the interrupted spa session. Repeat cleansing step, if needed. If Nu Skin Conductive Gel has dried, wipe off with a damp cloth and reapply, and then restart the session. See Section 6 for more information on regimens and spa sessions.

Section 5: Key Information (cont.)

Spa Session Completion: At the end of your session, the device will emit a long beep followed by two short beeps indicating that the spa session is complete. The clock and minute display will disappear, but the selection number will remain on the screen. To turn the device off, advance to the end of the selection number until the display screen is blank.



FIGURE 5.4

Clean and Properly Store Your Spa: After every use, turn the device off and wipe the device and conductors with a damp cloth to remove any excess Nu Skin® Conductive Gel. Be sure to check if gel seeped between the device and conductor. If so, remove all of the used gel with a damp cloth. Dry thoroughly (see Figure 5.4).

Refer to Section 8 for proper storage specifications.

Remember: See the **contraindications, warnings, precautions, and adverse reactions** described in Section 2 of this manual before using the Facial Spa.

Section 6: Conducting Facial Spa Regimens

- ⊙ Please read the following instructions before using your Facial Spa.

The BASIC REGIMEN is for the entire face and has two spa sessions—five minutes each—that take a total of 10 minutes to complete. The AREA REGIMENS are for limited facial areas. Each regimen has two spa sessions—two and three minutes each—that take a total of five minutes to complete.

All regimens require two spa sessions. The size of the conductor used depends on the size of the regimen area (see Figure 6.1).

- ⊗ **Do NOT conduct more than three Facial Spa regimens per week.**
- ⊗ **Nu Skin® Conductive Gel, included with your Facial Spa, MUST BE used with your spa device to ensure adequate conductivity.**

ONLY use Nu Skin® Conductive Gel. Performance of the Facial Spa with other gels or lotions has not been tested for safety and effectiveness.

To purchase more Nu Skin® Conductive Gel, please contact Nu Skin at 1-800-487-1000

Nu Skin® Conductive Gel MUST be used during each spa session.



FIGURE 6.1

Section 6: Conducting Facial Spa Regimens (cont.)



FIGURE 6.3



FIGURE 6.4



FIGURE 6.5

Prepare Your Face (applicable for all regimens): Cleanse and rinse your facial skin with a gentle cleanser of your choice.

BASIC REGIMEN

ENTIRE FACE (SEE FIGURE 6.2)

SPA SESSION A

1. Attach Conductor and Apply Gel:

Attach the LARGE conductor to the device (see Section 5) and apply a generous amount of Nu Skin® Conductive Gel (included) to the entire face, avoiding eyes, eyelids, and lips (see gray areas in Figure 6.3).

2. **Choose Selection Number:** Press the selection button once to turn on the device and again as needed to advance to the next selection number (see Figure 6.4). Advance through the selection numbers until a number **4** is visible in the display screen with a small **5** and **clock** below.

3. **Conduct Facial Spa Session:** Holding the chrome plate with your moistened hand, touch the conductor to your facial skin (see Figure 6.5). The device will beep indicating that spa session A is beginning. Slowly glide the conductor over your face where the gel has been applied, avoiding sensitive areas (eyelids, eyes, lips, and throat).

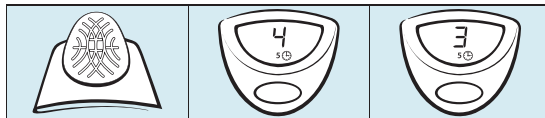


FIGURE 6.2

At the end of spa session A, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.

SPA SESSION B

- 4. Prepare:** Before proceeding to spa session B, apply additional Nu Skin® Conductive Gel to any areas of the face where the gel may be drying out. **Note:** The LARGE conductor should already be attached.
- 5. Choose Selection Number:** Press the selection button once to turn on the device and again as needed to advance to the next selection number. Advance through the selection numbers until a number **3** is visible in the display screen with a small **5** and **clock** below (see Figure 6.6).
- 6. Conduct Facial Spa Session:** Holding the chrome plate with your moistened hand, touch the conductor to your facial skin. The device will beep indicating that spa session B is beginning. Slowly glide the conductor over the same areas as in spa session A, avoiding sensitive areas (eyelids, eyes, lips, and throat).

At the end of spa session B, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.



FIGURE 6.6

Section 6: Conducting Facial Spa Regimens (cont.)



FIGURE 6.8



FIGURE 6.9



FIGURE 6.10

AREA REGIMENS AROUND THE EYES (PERIORBITAL)

(SEE FIGURE 6.7)

SPA SESSION A

1. Attach Conductor and Apply Gel:

Attach the SMALL conductor to the device (see Section 5) and apply a generous amount of Nu Skin® Conductive Gel to the facial skin above and below the eyes, avoiding the eyes and eyelids (see Figure 6.8 gray areas).

2. Choose Selection Number: Press the selection button once to turn on the device and again as needed to advance to the next selection number (see Figure 6.9). Advance through the selection numbers until the number **1** is visible in the display screen with a small **2** and **clock** below.

3. Conduct Facial Spa Session: Holding the chrome plate with your moistened hand, touch the conductor to your facial skin (see Figure 6.10). The device will beep indicating that spa session A is beginning. Slowly glide the conductor around the eye area, avoiding sensitive or contraindicated areas such as the eyelids.

At the end of spa session A, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.

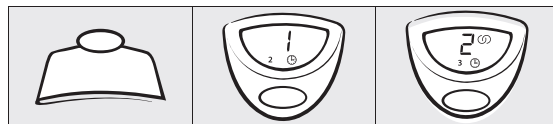


FIGURE 6.7

SPA SESSION B

- 4. Prepare:** Before proceeding to spa session B, apply additional Nu Skin® Conductive Gel to any areas above or below eyes where the gel may be drying out. **Note:** The SMALL conductor should already be attached.
- 5. Choose Selection Number:** Press the selection button once to turn on the device and again as needed to advance to the next selection number. Advance through the selection numbers until a number **2** is visible in the display screen with a small **3** and **clock** below (see Figure 6.11).
- 6. Conduct Facial Spa Session:** Holding the chrome plate with your moistened hand, touch the conductor to your facial skin. The device will beep indicating that spa session B is beginning. Slowly glide the conductor over the same areas as in spa session A, avoiding sensitive areas such as the eyelids.

At the end of spa session B, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.



FIGURE 6.11

Section 6: Conducting Facial Spa Regimens (cont.)



FIGURE 6.13



FIGURE 6.14



FIGURE 6.15

JOWLS/CHIN (SEE FIGURE 6.12)

SPA SESSION A

1. Attach and Prepare Conductor:

Attach the SMALL conductor to the device (see Section 5) and apply a generous amount of Nu Skin® Conductive Gel to the facial skin in the jowl and chin area (see Figure 6.13).

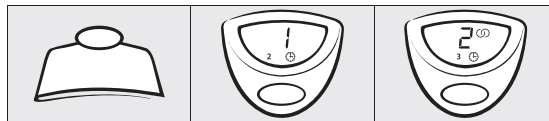


FIGURE 6.12

- 2. Choose Selection Number:** Press the selection button once to turn on the device and again as needed to advance to the next selection number (see Figure 6.14). Advance through the selection numbers until a number **1** is visible in the display screen with a small **2** and **clock** below.
- 3. Conduct Facial Spa Session:** Holding the chrome plate with your moistened hand, touch the conductor to your facial skin (see Figure 6.15). The device will beep indicating that spa session A is beginning. Slowly glide the conductor around the jowl and chin area, avoiding sensitive or areas such as the lips and throat.

At the end of spa session A, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.

SPA SESSION B

- 4. Prepare:** Before proceeding to spa session B, apply additional Nu Skin® Conductive Gel to any jowl or chin area where the gel may be drying out. **Note:** The SMALL conductor should already be attached.
- 5. Choose Selection Number:** Press the selection button once to turn on the device and again as needed to advance to the next selection number. Advance through the selection numbers until a number **2** is visible in the display screen with a small **3** and **clock** below (see Figure 6.16).
- 6. Conduct Facial Spa Session:** Holding the chrome plate with your moistened hand, touch the conductor to your facial skin. The device will beep indicating that spa session B is beginning. Slowly glide the conductor over the same areas as in spa session A, avoiding sensitive areas such as the lips and throat.

At the end of spa session B, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.



FIGURE 6.16

Section 6: Conducting Facial Spa Regimens (cont.)



FIGURE 6.18



FIGURE 6.19



FIGURE 6.20

FOREHEAD (SEE FIGURE 6.17)

SPA SESSION A

1. Attach and Prepare Conductor:

Attach the LARGE conductor to the device (see Section 5) and apply a

generous amount of Nu Skin® Conductive Gel (included) to the facial skin of the forehead (see Figure 6.18).



FIGURE 6.17

2. Choose Selection Number: Press the selection button once to turn on the device and again as needed to advance to the next selection number (see Figure 6.19). Advance through the selection numbers until a number **5** is visible in the display screen with a small **2** and **clock** below.

3. Conduct Facial Spa Session: Holding the chrome plate with your moistened hand, touch the conductor to your facial skin (see Figure 6.20). The device will beep indicating that spa session A is beginning. Slowly glide the conductor on the forehead area using an upward motion, avoiding sensitive areas such as the eyes and eyelids.

At the end of spa session A, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.

SPA SESSION B

4. Prepare: Before proceeding to spa session B, apply additional Nu Skin® Conductive Gel to the forehead where the gel may be drying out. **Note:** The LARGE conductor should already be attached.

5. Choose Selection Number: Press the selection button once to turn on the device and again as needed to advance to the next selection number. Advance through the selection numbers until a number **2** is visible in the display screen with a small **3** and **clock** below (see Figure 6.21).

6. Conduct Facial Spa Session: Holding the chrome plate with your moistened hand, touch the conductor to your facial skin. The device will beep indicating that spa session B is beginning. Slowly glide the conductor over the same areas as in spa session A, avoiding sensitive areas such as the eyes and eyelids.

At the end of spa session B, the device will emit a long beep followed by two short beeps indicating that the spa session is complete.



FIGURE 6.21

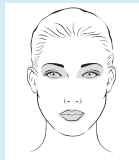








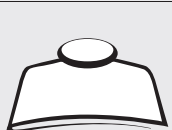
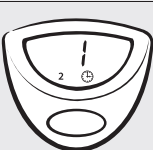





	REGIMEN	CONDUCTOR	SPA SESSION A	SPA SESSION B
BASIC REGIMEN				
AREA REGIMEN				
				
				

FIGURE 6.22

Section 7: Important Maintenance and Warranty Information

Directions for Changing Batteries: Your Facial Spa comes with two AAA batteries installed. When the batteries are low, a **0** will appear in the middle of the display and flash four times each time the device is turned on. When this signal occurs, install two new AAA batteries.

To replace batteries, apply pressure just above the battery compartment cover (see Figure 7.1). Grip the cover tightly and pull out firmly. If the cover is difficult to remove, apply more pressure to the device and pull on the cover with greater force. The cover will eventually disengage from the compartment (see Figure 7.2).

Pull gently on the ribbon to remove the used batteries. Replace with two fresh AAA batteries, following the placement instructions in the battery compartment. Remember to replace the ribbon under the batteries to facilitate future removal (see Figure 7.3).

- ⊘ Failure to tuck in the ribbon may result in disruption of the rubber seal inside the cover and may allow water to leak into the compartment resulting in damage to the device.

Replace the cover. The cover should slide securely into place.

Limited Two-Year Warranty: Nu Skin guarantees the Facial Spa to be free from defects in materials and workmanship for a period of two years from the original date of consumer purchase. This warranty does not cover damage to the product as a result of misuse or accident. If the product becomes defective within the two-year warranty period, please call Nu Skin Support Services to arrange for a replacement.



FIGURE 7.1



FIGURE 7.2




FIGURE 7.3

Section 7: Important Maintenance and Warranty Information (cont.)




Protected by US patent numbers 6,119,038; 6,766,199; 7,305,269; D661,811 S1 and numerous international patents issued and pending.

Section 8: Specifications

PHYSICAL SPECIFICATIONS

Dimensions	143 x 31.2 x 67.5 mm (5.6" x 1.2" x 2.7") with Large conductor 136 x 31.2 x 67.5 mm (5.4" x 1.2" x 2.7") with Small conductor
Weight	not more than 120 grams (approx. 4 oz)
Liquid Ingress Protection	

ELECTRICAL SPECIFICATIONS

Power Supply	3V  (2 each pre-installed 1.5VDC AAA batteries)
Classification	 Type BF
Maximum Output	13V 
Output Waveforms	DC Voltage

PERFORMANCE SPECIFICATIONS

Operating Environment

Indoor environments only; 68°F to 86°F 0% to 80% Relative Humidity (non-condensing)

Accuracy of Operating Data		Test values measured with an error not exceeding $\pm 30\%$ *			
User-Selected Treatment (duration)	Load Resistance (ohm)	Current (milli Amperes, Avg.)	User-Selected Treatment (duration)	Load Resistance (ohm)	Current (milli Amperes, Avg.)
Selection 1 (2 minutes)	10K	-0.363	Selection 3 (5 minutes)	10K	0.375
	2K	-0.361**		2K	0.367
	500	-0.376		500	0.371
Selection 2 (3 minutes)	10K	0.379	Selection 4 (5 minutes)	10K	-0.350
	2K	0.373		2K	-0.370
	500	0.379		500	-0.368
** Peak = -0.763mA (111% above spec.- transient spike) Rated Supply Voltage: 3VDC *complies with IEC 60601-1 Issued: 1998/01/01 Ed: 2			Selection 5 (2 minutes)	10K	-0.373
				2K	-0.370
				500	-0.369

Section 8: Specifications (cont.)

SAFETY FEATURES

The Facial Spa conforms to the applicable requirements of the standards below.

IEC 60601-1 Issued: 1998/01/01 Ed: 2

Medical electrical equipment—Part 1: General requirements for basic safety and essential performance;
Amendment 1-1991, Amendment 2-1995, Corrigendum – 1995

IEC 60601-1-2 Issued: 2012/06/01 Ed: 3

Medical electrical equipment—Part 1-2: General requirements for basic safety and essential performance –
Collateral standard: Electromagnetic compatibility—Requirements and tests

IEC 60601-2-10 Issued:1987/01/01 Ed:1

Medical Electrical Equipment Part 2: Particular Requirements for the Safety of Nerve and Muscle Stimulators

IEC 60601-1-4 Issued: 2000/04/01 Ed:1.1

Medical Electrical Equipment—Part 1-4: General Requirements for Safety – Collateral Standard:
Programmable Electrical Medical Systems Consolidated with Amd. 1:1999

TRANSPORT AND STORAGE CONDITIONS

Storage	Store at temperatures between 14 °F and 131 °F at 0% to 80% relative humidity (non-condensing)
Transport	Transport at temperatures between 14 °F to 131 °F at 0% to 80% relative humidity (non-condensing)
Disposal	Dispose of in accordance with local and national regulations

ELECTROMAGNETIC COMPATIBILITY (EMC)

Although this equipment conforms to the intent of the 2004/108/EC EMC Directive, all medical equipment may produce electromagnetic interference or be susceptible to electromagnetic interference. The following are guidance and manufacturer's declarations regarding EMC for the Nu Skin® Facial Spa.

Other medical equipment or systems can produce electromagnetic emissions and therefore can interfere with the functionality of the Nu Skin Facial Spa.

Section 8: Specifications (cont.)

TABLE 1 [IEC 60601-1-2, EDITION 3.0]

Guidance and Manufacturer's Declaration—Electromagnetic Emissions		
The Nu Skin® Facial Spa is intended for use in the electromagnetic environment specified below. The customer or the end user of the Nu Skin Facial Spa should ensure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment—guidance
RF Emissions - CISPR 11	Group 1	The Nu Skin Facial Spa uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions - CISPR 11	Class B	The Nu Skin Facial Spa is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Not Applicable	
Voltage fluctuations/ Flicker Emissions IEC 61000-3-3	Not Applicable	The Nu Skin Facial Spa is battery powered.

TABLE 2 [IEC 60601-1-2, EDITION 3.0]


Guidance and Manufacturer's Declaration—Electromagnetic Immunity			
The Nu Skin® Facial Spa is intended for use in the electromagnetic environment specified below. The customer or the end user of the Nu Skin Facial Spa unit should ensure that it is used only in such an environment.			
Immunity Test	EN/IEC 60601 Test Level	Compliance Level	Intended Electromagnetic Environment
Electromagnetic Discharge (ESD)	$\pm 6\text{kV}$ contact	$\pm 6\text{kV}$ contact	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
IEC 61000-4-2	$\pm 8\text{kV}$ air	$\pm 8\text{kV}$ air	
Electrical fast transient/burst	$\pm 2\text{kV}$ for power supply lines	Not Applicable	The Nu Skin Facial Spa is battery powered.
IEC 61000-4-4	$\pm 1\text{kV}$ for input/output lines	Not Applicable	
Surge	$\pm 1\text{kV}$ differential mode (line-line)	Not Applicable	The Nu Skin Facial Spa is battery powered.
IEC 61000-4-5	$\pm 2\text{kV}$ common mode (line-earth)		

Section 8: Specifications (cont.)

TABLE 2 [IEC 60601-1-2, EDITION 3.0] (CONT.)

<p>Voltage dips, short interruptions, and voltage variations on power supply input lines</p> <p>IEC 61000-4-11</p>	<p><5% UT (>95% dip in UT) for 0.5 cycle</p> <p>40% UT (60% dip in UT) for 5 cycles</p> <p>70% UT (30% dip in UT) for 25 cycles</p> <p><5% UT (>95% dip in UT) for 5 seconds</p>	<p>Not Applicable</p>	<p>The Nu Skin® Facial Spa is battery powered.</p>
<p>Power frequency (50/60Hz) magnetic field</p> <p>IEC 61000-4-8</p>	<p>3A/m</p>	<p>3A/m</p>	<p>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.</p>
<p>Note UT is the a.c. mains voltage prior to application of the test level.</p>			

TABLE 3 [IEC 60601-1-2, EDITION 3.0]

Guidance and Manufacturer's Declaration—Electromagnetic Immunity			
The Nu Skin® Facial Spa is intended for use in the electromagnetic environment specified below. The customer or the end user of the Nu Skin Facial Spa should ensure that it is used in such an environment.			
Immunity Test	EN/IEC 60601 Test Level	Compliance Level	Intended Electromagnetic Environment
<p>Conducted RF IEC 61000-4-6</p> <p>Radiated RF IEC 61000-4-3</p>	<p>3Vrms 150kHz to 80MHz</p> <p>3V/m 80MHz to 2.5GHz</p>	<p>3Vrms 150kHz to 80MHz</p> <p>3V/m 80MHz to 2.5GHz</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of the Nu Skin Facial Spa, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p>Recommended separation distance $d = 1.2\sqrt{P}$ 80MHz to 800 MHz</p> <p>$d = 2.3\sqrt{P}$ 800MHz to 2.5GHz</p> <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended minimum separation distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey^a, should be less than the compliance level in each frequency range^b.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol: </p>
NOTE 1: At 80MHz and 800MHz, the higher frequency range applies.			
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from objects, structures, and people.			
<p>^aField strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Nu Skin Facial Spa is used exceeds the applicable RF compliance level above, the Nu Skin Facial Spa should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Nu Skin Facial Spa.</p> <p>^bOver the frequency range 150kHz to 80MHz, field strengths should be less than 3V/m.</p>			

Section 8: Specifications (cont.)

TABLE 4 [IEC 60601-1-2, EDITION 3.0]

Recommended separation distances between portable and mobile RF communications equipment and the Nu Skin® Facial Spa.			
The Nu Skin Facial Spa is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Nu Skin Facial Spa can help prevent electromagnetic interference by maintaining a minimum distance between the portable and mobile RF communications equipment (transmitters) and the Nu Skin Facial Spa as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter in watts (W)	Separation distance according to frequency of transmitter in meters (m)		
	150kHz to 80MHz d = 1.2√P	80MHz to 800MHz d = 1.2√P	800MHz to 2.5GHz d = 2.3√P
0.01	.12	0.12	0.23
0.1	.38	0.38	0.73
1.0	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.			
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.			



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